bio-protocol Preprint

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Ask a question online

Adhesion scoring, whole-mount imaging, and tissue clearing

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An abbreviated version of this protocol was published in Science in Mar 2021

Primordial GATA6 macrophages function as extravascular platelets in sterile injury

DOI: 10.1126/science.abe0595

Detailed protocol

Thank you for the question. For this paper we used a well established adhesion score that scores adhesions based on their tensile strength and vascularization (table S1). We do not claim novelty for this score which has been previously described by Zuhlke et. al. (Reference 50 in the Paper) and has since then been extensively used (https://pubmed.ncbi.nlm.nih.gov/?linkname=pubmed_pubmed_citedin&from_uid=1983476).

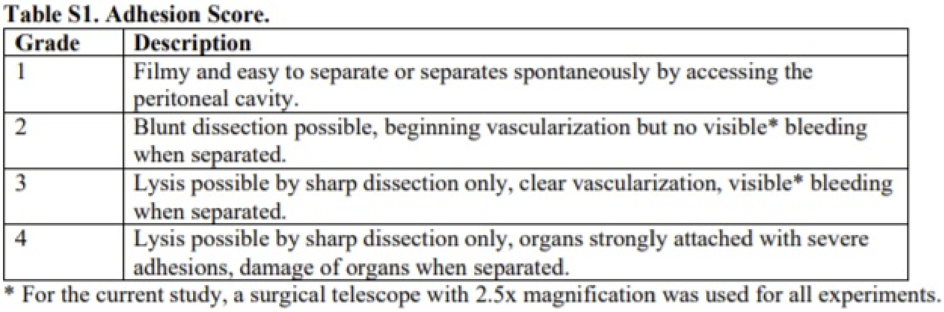

Table S1. Adhesion Score.

Grade	Description
1	Filmy and easy to separate or separates spontaneously by accessing the peritoneal cavity.
2	Blunt dissection possible, beginning vascularization but no visible* bleeding when separated.
3	Lysis possible by sharp dissection only, clear vascularization, visible* bleeding when separated.
4	Lysis possible by sharp dissection only, organs strongly attached with severe adhesions, damage of organs when separated.

* For the current study, a surgical telescope with 2.5x magnification was used for all experiments.

How to cite:(Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Zindel, J. and Kubes, P. (2022). Adhesion scoring, whole-mount imaging, and tissue clearing. Bio-protocol Preprint. bio-protocol.org/prep1494.
2. Zindel, J., Peiseler, M., Hossain, M., Deppermann, C., Lee, W. Y., Haenni, B., Zuber, B., Deniset, J. F., Surewaard, B. G. J., Candinas, D. and Kubes, P.(2021). Primordial GATA6 macrophages function as extravascular platelets in sterile injury . Science 371(6533). DOI: 10.1126/science.abe0595

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